


**Mining  
Form  
MR-400**

**S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL**  
**BUREAU OF LAND AND WASTE MANAGEMENT**  
**DIVISION OF MINING AND SOLID WASTE PERMITTING**  
**2600 Bull Street, Columbia, SC 29201**  
**Telephone Number: (803) 896-4261 Fax Number: (803) 896-4001**

**APPLICATION FOR A MINE OPERATING PERMIT**  
**DHEC FORM MR-400 DATE VERSION ADOPTED 7/1/94**

1-001979  
F# 11129

\*\*\*\*\*  
 "The South Carolina Mining Act," Sections 48-20-10 through 48-20-310, Code of Laws of South Carolina, 1976, as amended provides in part: "No operator may engage in mining without having first obtained from the Department an operating permit which covers the affected land and which has not been terminated, been revoked, suspended for the period in question, or otherwise become invalidated." (Section 48-20-60)  
 \*\*\*\*\*

**I. APPLICANT INFORMATION**

**RECEIVED**

1. Name of Company: Dillon County

Check form of business entity: ☐ Corporation

☐ Partnership

☐ Limited Partnership

☒ County Government

MAY 24 2011

DIVISION OF MINING &  
SOLID WASTE MANAGEMENT  
BL&WM

2. Name of Proposed Mine: Old River Road Mine County: Dillon

3. Home Office Address: 109 S. 3rd Avenue PO Box 349 (843) 774-1400

(Street and P.O. Box)

(Telephone No.)

Dillon

SC

29536

(843) 774-1443

(City)

(State)

(Zip Code)

(Fax No.)

4. Local Office Address: Same as above

(Street and P.O. Box)

(Telephone No.)

(City)

(State)

(Zip Code)

(Fax No.)

5. Designate to which office Official Mail is to be sent (check one):

☒ Home Office

☐ Local Office

6. Name of company personnel and their title to be the contact for official business and correspondence: \_\_\_\_\_

Ms. Lisa Gray, Dillon County, Clerk to Counsel

7. Location of Mine: 2702 Old River Road, S-17-42

(State or County Hwy No.)

Fork, SC

(Nearest Town or City)

8. Locate accurately on a county map, USGS 7.5' Topographic Map, or draw a detailed map to scale of: (1) how to get to your local office and (2) how to get to the mine (attach to this application). Mine Lat. 34° 18' 38.50"  
 Long. 79° 17' 02.27"

9. If land is leased, complete the following: \_\_\_\_\_

A. Name of landowner: Mr. Rickie William Harrelson

Landowner's Address: 2702 Old River Road

Fork

(Street and PO Box)

(City)

South Carolina

29453

843-464-9908

(State)

(Zip Code)

(Telephone Number)

B. Date lease became effective: October 2010

Date of lease termination: October 2013 or upon release of reclamation.

Name of lessee: Dillon County

## II. GENERAL CHARACTERISTICS OF MINE:

1. Material(s) to be mined: sand and dirt

2. Mining Method:

A. List equipment to be used for mining and provide a brief description as to how the mine will be operated.

Equipment: Trackhoe, bull dozer and front-end loader

Method: Overburden will be stripped from the surface and will be relocated on site to be used for reclamation practices. Sand and other material will be removed using a trackhoe or loader.

B. Will there be a process plant located at the mine site within the boundary of the permitted area?

     Yes   X   No If no, please provide a brief description of the plant equipment and function of the plant.

The site will be excavated and hauled as necessary. No plant site is anticipated.

3. Do you anticipate blasting as part of the mining operation?      Yes   X   No If yes, provide the distance to the nearest inhabited structure not owned or leased by the applicant. Also, provide as an attachment to this application the names and addresses of all the owners of all structures within one-half mile from the nearest point of blasting during the life of the proposed mine. How will flyrock be prevented from being projected from the permitted area?

4. Has this site been mined in the past? If so, please indicate the present condition of the land.

There is an active five acre sand/dirt mine permit (GP1-001880) within the area of this proposed mine expansion site. Mining to date has just commenced under the GP1 most of the area is still an agricultural field.

5. What is the expected maximum depth of this mine? Provide any additional information about the final depth of the mine that would be useful to the Department. (Example: Final depth of pit will be level to adjacent road, elevation above Mean Sea Level (MSL)).

Current elevation	90ft MSL
Overburden	-1ft
Maximum depth of sand/fill	-30ft
Final minimum elevation of site	59ft MSL

### III. DETERMINATION OF PERMITTED ACREAGE, AFFECTED ACREAGE AND RECLAMATION BOND

1. Total acres for which permit is being requested:

\_\_\_\_\_ Permitted acres owned by the operator -

10.11 Permitted acres leased by the operator This is a 10-acre portion of an approximately 20-acre property  
Includes total pit, over burden area, sump pit and haul roads.

Note: Permitted acreage should include the following: 1) acres of land to be affected (excavation, processing plant, stockpiles, etc.); 2) future area(s) to be mined and 3) land to be used for buffer zones around the affected land. The permitted area should be the property described in the LAND ENTRY AGREEMENT(S) (FORMS MR-600 OR MR-700).

2. Total affected acreage:

Acres

A) Area used for sediment control ponds (sed pond within mine area) 0.1

B) Area used for stockpiles of unprocessed minerals 0

C) Area used for spoil (overburden) banks, topsoil and disposal refuse (exclusive of tailings impoundments) 0.2

D) Areas used for on-site processing facilities and stockpiles of processed minerals 0

E) Areas used for tailings pond (waste material from mineral processing) 0

F) Area for access or haul roads 0.11

G) Area for excavation during the period of this permit

OR

If mining and reclamation are to be done in segments, state the size of each segment (acres) \_\_\_\_\_. Multiply the size of the segments by 3 and enter the resulting number. \_\_\_\_\_>

10

H) TOTAL OF 2A THROUGH 2G 10.41

3. Check acreage to be bonded: total affected acreage calculated from Section 2.

\_\_\_\_\_ 0.00 - 9.99 acres (bond amount - \$10,000)

\* 10.00 - 14.99 acres (bond amount - \$15,000)

\_\_\_\_\_ 15.00 - 24.99 acres (bond amount - \$25,000)

\_\_\_\_\_ 25.00 + acres (bond amount - \$25,000 or greater)

Applicant may submit a reclamation cost estimate for mines that will affect greater than 25 acres. Estimate should be based upon requirements in Regulation 89-200 B.

4. Will this operation be covered by a blanket bond? \_\_\_\_ Yes X No If yes, please list your company's other permitted mining operations in South Carolina giving mine names, permit numbers and state the present reclamation bond amount on file with this Department.

5. Number of years for which this permit is requested. The requested number of years the permit is requested should coincide with the Schedule of Reclamation as proposed by the applicant in the RECLAMATION PLAN, (Form MR-500). 2 years

#### IV. PROTECTION OF NATURAL RESOURCES

1. Will there be a waste water treatment system at your mine site?      Yes   X   No
2. Will there be a point source discharge from your plant or mine requiring an NPDES Permit?   X   Yes      No  
If yes, provide information as to how stormwater and groundwater will be managed?  
The mine will be dewatered as needed. Water will flow into a sump pit and exit the property via pumping.
3. Will there be air contaminant emissions from your plant or mine requiring an Air Quality Permit?      Yes   X   No
4. Do you anticipate pumping of groundwater?   X   Yes      No If yes, describe.  
The mine will be dewatered as needed. Water will flow into a sump pit and exit the property via pumping.
5. Will jurisdictional wetlands be affected, filled or altered in any fashion that will require a Section 404 Dredge and Fill Permit?      Yes   X   No A wetland delineation has been performed and verification from the USACE is attached.  
No wetlands have been identified within or directly adjacent to the project area.
6. Are there any known cultural or historic sites located within the proposed area to be permitted?      Yes   X   No  
A cultural resource survey was conducted by Brockington and Associates, no significant cultural or historic sites were identified
7. Will any part of the permitted area be used as a solid waste describe how waste, trash, scrap metal material, garbage will be handled.      Yes   X   No No trash is expected so no need for trash removal.

\*NOTE: For questions 1-7 that need additional space for explanations, please provide additional information on an attached sheet to this application.

8. Describe the wildlife or freshwater, estuarine or marine fisheries in the area of the mining operation. Also provide information about any ponds and/or streams that may be located in the proposed permitted area.

Wildlife in the area are typical of indigenous species inhabiting rural mixed use lands, e.g. deer, turkey, fox, squirrel, etc. No protected species were identified within or near the boundaries of the proposed mine area. There are no ponds or streams located within the proposed mine site. There are JD freshwater wetlands near but not adjacent to the site that will be protected by leaving an ag setback between the mine site and any wetland areas. Stormwater will be collected in a sump pit and will be discharged from the site, after settling via pumping and will temporary collected in a nearby wetland. The mined site will be used as a pond by the landowner.

9. State the land cover and land uses on the permitted land area and contiguous tracts of land to the permitted land area.

The proposed permitted land area is an agricultural field. The land adjacent to the proposed permitted area is ag fields. Nearby off site areas are limited rural residential areas and other rural and ag lands.

10. Describe measures to be taken to insure against (1) substantial deposits of sediment in neighboring streams, rivers lakes or ponds; (2) landslides; (3) acid water formation and discharge. Attach any supporting documents (engineering designs, calculations, sediment & erosion control plan, setbacks, geotechnical information, acid prediction test etc.) to this application.
1. A sump pit will be constructed in the mine site to prevent deposits into neighboring streams. Additionally, ag fields will be left around the perimeter of the 10 acre site for screening. These ag areas will insure further protection of off-site resources.
2. Reclamation of mine slopes will begin as soon as possible. A 3:1 slope will be established as the mine progresses to eliminate the risk of landslides in those areas. This has proven to be an effective method to address the risk of landslides within the mine area.
3. Acid water formation is typically not a problem in open pit mines of this type.

## V. SAFETY

1. Describe methods to be used during the time the mine operating permit is active to prevent physical hazards to persons and to any neighboring dwelling, house, school, church, hospital, commercial or industrial building or public road. If applicable, provide the zoning designation for the property to be permitted.

The permitted site has no immediate neighboring dwellings, schools, churches, hospitals, commercial or industrial buildings. The permitted site is bounded by ag/forest lands on all sides. There are residential units and other rural lands adjacent to the overall property. To restrict access the property will be gated and the gate will be maintained during and after the mining activity.

Additionally warning signage may be posted in the area. A perimeter ag vegetated buffer will be maintained around the property to help screen the mine from roadways and nearby residential developments.

The property to be permitted is currently zoned as agricultural/rural lands. Resource extraction is allowed under this zoning designation as approved by Dillon County Board of Zoning.

2. Describe methods to be used to prevent an adverse effect on the purposes of a publicly-owned park, publicly-owned forest, or publicly-owned recreation area. If any of these facilities are within one (1) mile of the proposed affected property, please locate on mine location map and the submitted U.S.G.S topographic map for this application.

There are no publicly owned parks, forest or recreational areas within one mile of the proposed affected property.

3. Describe measures to be taken for screening the operation from view from public highways, public parks or residential areas.

The proposed mine site is approximately 300 feet from the nearest public road and 1000 feet from the nearest adjacent residence. The surrounding natural areas will screen the mine from view in its agricultural setting. Additionally Old River Road is a lightly traveled road.

## VI. MINE MAP

1. Provide the U.S.G.S. topographic map(s) that contains the proposed mine site. The proposed permitted area should be outlined on this submitted topographic map.

2. Attach **four (4)** copies of a map of the site (referred to as the MINE MAP) that shows the following:

- A. Outline of the area to be affected by mining during the number of years for which the permit is requested. See Section III, Question 1 on page 3 of this application form.
- B. Outline of the permitted area that shows the buffers zones, future mine areas and areas to be affected by mining.
- C. Outline of the planned pits or excavations for which your company has detailed plans. If your company has reason to believe that additional land may be mined in the future within the permitted area but is not feasible to show as planned excavations; indicate these areas as FUTURE RESERVES on this site map.
- D. Outline of areas for the storage of naturally occurring soil that will be suitable for the establishment of vegetation in final reclamation.
- E. Outline of planned areas for disposal of refuse, exclusive of tailings ponds.
- F. Outline of planned spoil, overburden or other similar waste material disposal areas.
- G. Locations of planned access and haul roads on the area to be affected.

H. Outline of planned tailings ponds.

I. Locations of sediment control pond(s) and other sediment control structures within the affected area. Outline of areas on which temporary or permanent vegetation will be established to control erosion during the mine operation.

J. Location and name (if appropriate) of streams, lakes, wetlands and existing drainage ditches within the area to be permitted. Use arrows to indicate direction of water flow in such streams and drainage ditches.

K. Boundary for the 100 year floodplain, where appropriate.

L. Outline of areas for stockpiles of unprocessed minerals.

M. Outline of area of previously mined land that will not be affected.

N. Outline of the area to be occupied by processing facilities including stockpiles of processed minerals if such facilities are to be an integral on-site part of the mining operation.

O. Show location of the two permanent survey control points.

P. A legend showing the name of applicant, name of the proposed mine, north arrow, county, scale, date of preparation and name and title of person who prepared the site map.

THE REQUIRED SITE MAP SHALL HAVE A NEAT, LEGIBLE APPEARANCE AND BE OF SUFFICIENT SCALE TO CLEARLY SHOW THE REQUIRED INFORMATION LISTED ABOVE. THE BASE FOR THE MAP SHALL BE EITHER A SPECIALLY PREPARED LINE DRAWING, AERIAL PHOTOGRAPH, ENLARGED USGS TOPOGRAPHIC MAP OR A RECENTLY PREPARED PLAT.


3. Provide the most recent county tax map that shows all contiguous land owners of the permitted mine site. Provide name and addresses of all land owners contiguous to the proposed permitted mine site.

4. Provide letter from an attorney attesting to (1) the ownership if the property, (2) ownership of the mineral rights and (3) that the applicant has the legal right to mine the proposed mineral resource on the property as described in this application.

**We hereby certify that all information and details contained hereinabove, within any supporting documents and on the map are true and correct to the best of our knowledge. We fully understand that any willful misrepresentation of facts will be cause for permit revocation.**

The applicant acknowledges that Section 48-20-130, Code of Laws of South Carolina, provides in part:

*"Upon receipt of the operator's annual report or report of completion of reclamation and at any other reasonable time the department may elect, the department shall inspect the permit area to determine if the operator has complied with the reclamation plan, the requirements of this chapter, regulations promulgated by its authority, and the terms and conditions of this permit. Accredited representatives of the department at all reasonable times may enter upon the land subject to the certificate of exploration or operating permit for the purpose of making the inspection."*

  
Signature of Applicant/Operator or his Authorized Representative

Dillon County  
Printed Name of Applicant/Operator or his Authorized Representative

County Administrator  
Title

04/08/11  
Date

**Department Use Only**

Application No.: \_\_\_\_\_ Date Application Approved: \_\_\_\_\_ Date Bond Rec'd: \_\_\_\_\_

Bond Amount: \_\_\_\_\_ Blanket or Single Bond Permit Issuance Date: \_\_\_\_\_

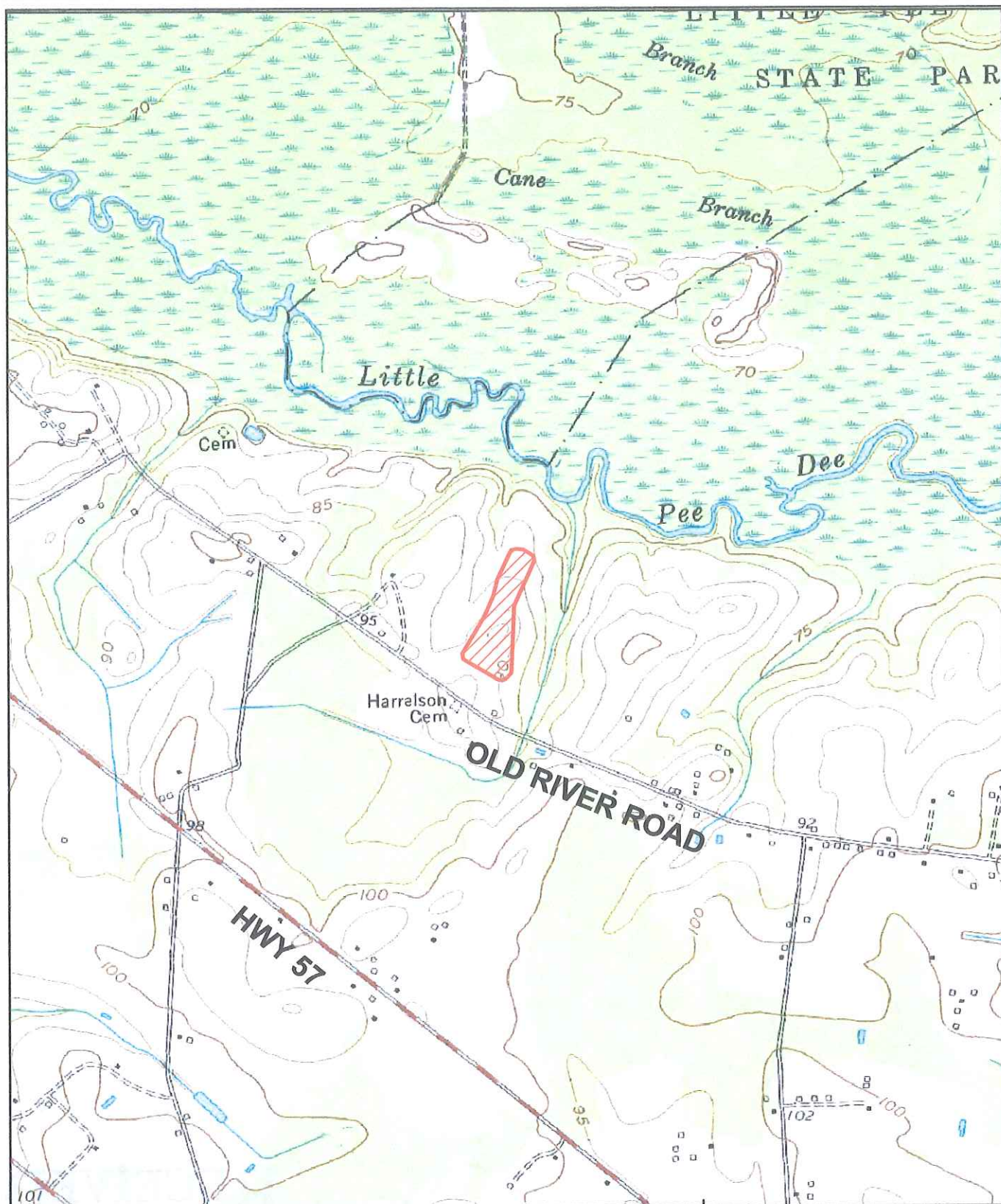
**ACTION TAKEN ON THIS APPLICATION**

\_\_\_\_\_ Approved \_\_\_\_\_ Denied \_\_\_\_\_ Approve with additional Terms and Conditions

By: \_\_\_\_\_  
DIVISION DIRECTOR

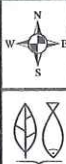
Date: \_\_\_\_\_





Created By: Ken Smok - ksmok@sabine.net  
 Date Created: December 13, 2010  
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 Environmental Land Management Consultants  
 P.O. Box 1072 Summerville, SC 29484  
 843.871.5383 (phone) 843.871.2050 (fax)  
 R:\custdat\DillonOldRiverRoadMine\LocationMap\USACE3.mxd

Disclaimer: This map is a graphic representation of data obtained from various sources. All efforts have been made to warrant the accuracy of this map. However, Sabine & Waters, Inc. disclaims all responsibility and liability for the use of this map.



# **SITE LOCATION MAP OLD RIVER ROAD MINE FORK, SC QUAD DILLON COUNTY, SC**

**10-AC PROJECT AREA**



**LAT. 34° 18' 38.50"**  
**LONG. 79° 17' 02.27"**

**REVISED : 03/02/2011**



# MINE MAP

APPLICANT:  
DILLON COUNTY

OWNER:  
RICKIE W. HARRELSON

PREPARED BY:  
KEN SMOAK  
DIRECTOR OF ENVIRONMENTAL SERVICES  
SABINE & WATERS, INC.  
December 16, 2010

RECEIVED

MAY 24 2011

DIVISION OF MINING &  
SOLID WASTE MANAGEMENT  
BL&WM

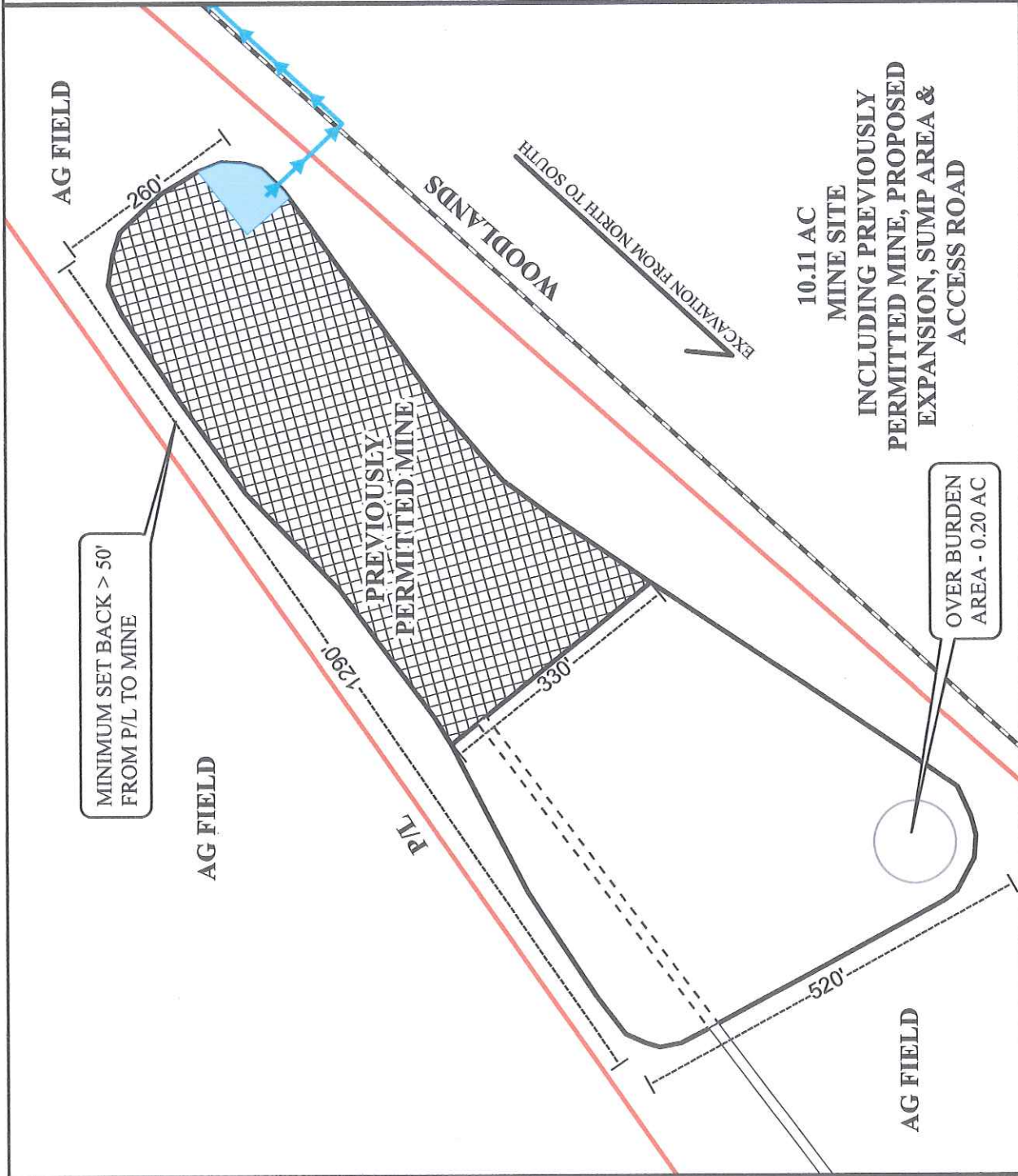
## LEGEND

- PROPERTY BOUNDARY
- PREVIOUSLY PERMITTED MINE - 4.6 AC
- PROPOSED MINE EXPANSION - 5.3 AC
- ▶ DITCH FLOW
- PIT DEWATER SUMP - 0.10 AC
- EXISTING RESIDENTIAL ROAD
- HAUL ROAD FROM EXISTING MINE
- HAUL ROAD - 0.11 AC

TAX MAP #122-00-00-022

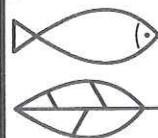


LAT. 34° 18' 38.50"  
LONG. 79° 17' 02.27"



## OLD RIVER ROAD MINE

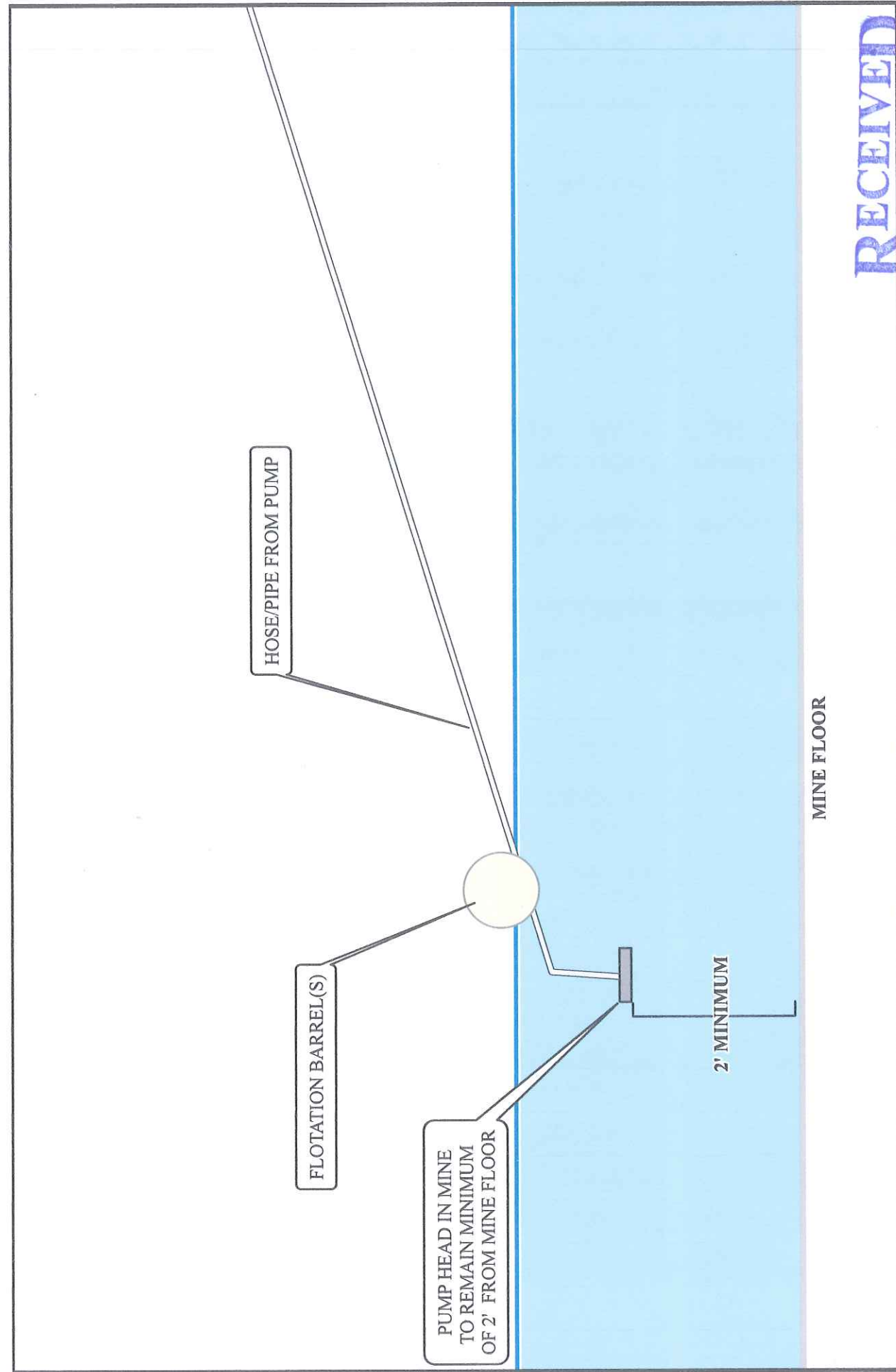
### MINE MAP



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Created By: Matthew T. Zelke  
Date Created: October 15, 2010  
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Environmental Land Management Consultants  
P.O. Box 1072 Summerville, SC 29484  
843.871.5383 (phone) 843.871.2050 (fax)  
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REVISED : 04/11/2011



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Created By: Matthew T. Ziegle - [mziegle@swinc.com](mailto:mziegle@swinc.com)

Date Created: October 15, 2010

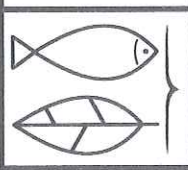
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Environmental Land Management Consultants

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Revised: oldriverroad\_minesump\_detail.mxd



SUMP DETAIL  
OLD RIVER ROAD MINE  
DILLON COUNTY, SC

RECEIVED  
MAY 24 2011  
DIVISION OF MINING &  
SOLID WASTE MANAGEMENT  
BL & WM

REVISED : 10/15/2010